



U.S. DEPARTMENT OF THE NAVY

**REPO**  
RENEWABLE ENERGY PROGRAM OFFICE

## RENEWABLE ENERGY PROGRAM OFFICE

BUILDING A STRONGER NAVY, ONE MEGAWATT OF RENEWABLE ENERGY AT A TIME

### GigaWHAT

IN MAY 2014, SECRETARY MABUS SET UP THE RENEWABLE ENERGY PROGRAM OFFICE (REPO) TO HELP THE DON BRING



# 1 GIGAWATT

OF RENEWABLE ENERGY INTO PROCUREMENT BY THE END OF 2015.



**AT 1.1 GW**  
REPO SURPASSED  
THIS AMBITIOUS GOAL

### GigaWHY

BUILDING RENEWABLE ENERGY FACILITIES DIVERSIFIES  
**OUR POWER RESOURCES AND**  
INCREASES OUR ENERGY SECURITY,  
**OPERATIONAL CAPABILITY, AND**  
**STRATEGIC FLEXIBILITY.**

# 61.2B BTUS

OF ENERGY USED TO POWER INSTALLATIONS IN FY15



“ Anybody who has operated at sea or ashore knows that energy is absolutely critical to doing our job. ”

– ADM John Richardson, Chief of Naval Operations

### GigaHOW

HERE IS HOW REPO PROJECTS WILL BENEFIT THE DON AND LOCAL COMMUNITIES

# 22 MILLION TONS OF CO<sub>2</sub> EMISSIONS AVERTED

#### REPO PROJECTS ARE ESTIMATED TO LEAD TO:

##### DON



**\$91 MILLION**  
IN NOMINAL ENERGY COST SAVINGS



**\$62 MILLION**  
IN ENERGY SECURITY HARDWARE UPGRADES



**\$170 MEGAWATTS**  
OF ACCESS TO POWER DURING OUTAGES

##### COMMUNITY



**9,000**  
CONSTRUCTION-  
RELATED JOBS



**240**  
PERMANENT JOBS THAT WILL  
EXIST FOR THE LIFE OF THE  
PROJECTS (20-35 YEARS)



**23 MILLION**  
ANNUAL INVESTMENT  
DRIVEN INTO LOCAL  
ECONOMIES



**\$1.07 BILLION**  
LOCAL ECONOMIC IMPACT  
AS A RESULT OF THE  
CONSTRUCTION PROCESS

ESTIMATES DERIVE FROM NREL'S JEDI MODEL AND DO NOT INDICATE GUARANTEED JOBS OR FIGURES

### ON THE HORIZON: BEYOND THE GIGAWATT

REPO met and surpassed the gigawatt goal with almost 1.1 GW worth of projects in procurement. Now, continuing to strive towards energy security, REPO will pursue projects that leverage new technologies, such as:



**MICROGRIDS**



**FUEL CELLS**



**BATTERY STORAGE**



**ELECTRIFICATION**

[HTTP://GREENFLEET.DODLIVE.MIL/ENERGY/REPO](http://GREENFLEET.DODLIVE.MIL/ENERGY/REPO)

